Department of Electronics & Communication Engineering
Jaypee University of Information Technology, Waknaghat

Curriculum for Postgraduate Programme (M.Tech)

S. No	Subject Code	Name of the Subjects	C/E	L	T	P	Total	Credits
1st SEMESTER								
1	10M11EC114	VLSI Circuit and System Design	C	3	0	0	3	3
2	10M11EC113	Advanced Telecommunication Network	C	3	0	0	3	3
3	10M11EC112	Advanced Satellite and Fiber Optic Communication	C	3	0	0	3	3
4	10M11EC111	Advanced Communication System	C	3	0	0	3	3
5	10M17EC171	ECE Design and Simulation Lab-1	C	0	0	4	4	2
		ANY ONE ELECTIVE						
6	13M1WEC132	Mathematical Techniques for Engineering	E	3	0	0	3	3
7	12M1WEC131	Multimedia Communication Theory and Standards	E	3	0	0	3	3
						Total	**19**	**17**

S. No	Subject Code	Subject Names	C/E	L	T	P	Total	Credits
2nd SEMESTER								
1	10M11EC211	Advanced Digital Signal Processing	C	3	0	0	3	3
2	10M11EC212	Advance Wireless & Mobile Communication	C	3	0	0	3	3
3	10M11EC213	Information & Coding Theory	C	3	0	0	3	3
4	10M17EC271	ECE Design & Simulation Lab II	C	0	0	4	4	2
5	13M1WEC231	Advanced Neural Networks	E	3	0	0	3	3
		ANY TWO ELECTIVE						
6	10M21EC224	CMOS Digital Design Techniques	E	3	0	0	3	3
7	12M1WEC231	Anteena and Radio Wave Propagation	E	3	0	0	3	3
8	12M1WEC232	Real Time Embedded System	E	3	0	0	3	3
9	14M1WEC231	Advanced CMOS Digital Design Techniques	E	3	0	0	3	3
10	15M1WEC231	Biomedical signal and Image Processing	E	3	0	0	3	3
11	16M1WEC231	Advanced Digital Image Processing	E	3	0	0	3	3
						Total	**19**	**17**

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S. No	Subject Code	Name of the Subjects	Course Hours				Total	Credits
		3rd SEMESTER						
			C/E	L	T	P		
1	10M19CI393	Seminar	C	0	0	4	4	2
2	10M19CI391	Project Part I	C	0	0	10	10	12
		ANY TWO ELECTIVE						
3	10M1WEC332	RF IC Design	E	3	0	0	3	3
4	12M1WEC331	Advanced Wireless Networks	E	3	0	0	3	3
5	13M1WEC331	Architecture and Algorithms for DSP Systems	E	3	0	0	3	3
6	13M1WEC333	Statistical & Adaptive Signal Processing	E	3	0	0	3	3
7	13M1WEC334	Antenna Theory and Techniques	E	3	0	0	3	3
8	14M1WEC331	Fault Tolerant Communication Networks	E	3	0	0	3	3
9	15M1WEC331	Encrption and Communication Security	E	3	0	0	3	3
10	17M1WEC331	VLSI in Biomedical Processing System	E	3	0	0	3	3
11	17M1WEC332	Computational Intelligence and Applications	E	3	0	0	3	3
						Total	**20**	**20**

S. No	Subject Code	Subject Names	Course Hours				Total	Credits
		4th SEMESTER						
			C/E	L	T	P		
1	10M19EC493	Seminar	C	0	0	4	4	2
2	10M19EC491	Project Part I	C	0	0	10	10	14
		ANY TWO ELECTIVE						
3	11M1WEC432	Analog IC Design	E	3	0	0	3	3
4	11M1WEC433	Fault Tolerent Systems	E	3	0	0	3	3
5	12M1WEC432	Fundamentals of MIMO Systems	E	3	0	0	3	3
6	13M1WEC431	Statistical Signal Processing	E	3	0	0	3	3
7	13M1WEC432	Radar and Sonar Signal Processing	E	3	0	0	3	3
						Total	**20**	**22**